

REMARKS

By the present amendment, Claims 1, 3, 4-7, 9, 10, 13, 14, 16-18, 20-23 and 28 have been amended. Claims 1-18, 20-24 and 28 remain pending in the application, with Claims 1, 9, 16, 18, 20, 22 and 28 being independent claims. Claims 1-18 and 20-24 are again rejected under 35 U.S.C. § 103(a) as being unpatentable over Chen (U.S. Patent Application Publication No. 2002/0181423 A1) in view of Leung (U.S. Patent Application Publication No. 2003/0087653 A1). Claim 28 is rejected under 35 U.S.C. § 103(a) as being unpatentable over Chen in view of Leung and Alao (U.S. Patent Application Publication No. 2008/0075099 A1).

The Examiner again concedes that Chen does not disclose transmitting data from a server. The Examiner again states that Leung discloses providing a broadcast service to multiple users from a server in FIG. 5, the Abstract, paragraph 52 and paragraphs 110-111. The Examiner states that it would have been obvious to modify Chen with the alleged teachings of Leung.

Regarding Claim 28, the Examiner also concedes that Chen does not disclose transmitting data from a server. The Examiner states that Leung discloses providing a broadcast service to multiple users from a server in FIG. 5, the Abstract, paragraph 52 and paragraphs 110-111. The Examiner asserts that it would have been obvious to modify Chen with the alleged teachings of Leung. The Examiner also concedes that the combination of Chen and Leung does not disclose that the base station transmits information regarding the segment size of the broadcast to the user. The Examiner states that Alao suggests these recitations in the abstract and paragraphs 87 and 114. The Examiner asserts that it would have been obvious to modify the combination of Chen and Leung with the alleged suggestions of Alao.

Independent Claim 1 has been amended to recite, in part, a method for providing an interactive broadcast/multicast service for high-speed data transmission between a base station and at least one mobile station in a mobile communication system including the at least one mobile station, the base station communicating with the at least one mobile station, and a server

connected to the base station, the server providing data to the at least one mobile station, the method comprising the steps of: transmitting, by the base station, high-speed data according to the interactive broadcast/multicast service transmitted from the server, to the at least one mobile station over a forward common channel all mobile stations can receive in common during the interactive broadcast/multicast service; and transmitting reverse transmission data according to the interactive broadcast/multicast service over a reverse dedicated channel, by a serviced mobile station, receiving the interactive/multicast service through the forward common channel during the interactive broadcast/multicast service, wherein the base station assigns a common power control channel (CPCCH) to the at least one mobile station to control power of the reverse dedicated channel. Independent Claims 9, 16, 18, 20, 22 and 28 have also been amended in a similar manner, and dependent Claims 3, 4-7, 10, 13, 14, 17, 21 and 23 have been amended to conform to the amendments of their corresponding independent claims.

The claims have been amended to more particularly define the present invention. In particular, the claims have been amended to clearly show that the present invention is directed to an interactive broadcast/multicast service for high-speed data transmission, and to recite that the base station assigns a CPCCH to the at least one mobile station to control power of the reverse dedicated channel.

Applicants respectfully submit that the amendments to the claims are fully supported by the original disclosure, and introduce no new matter therewith.

The present invention provides a method for controlling power over a reverse dedicated channel additionally assigned for interactive broadcast/multicast service for high-speed data transmission using a CPCCH. In the present invention, a base station allows a multiple of mobile stations to receive power control information through one CPCCH.

A conventional CPCCH is designed for a Reservation Access (RA) mode and controls a separately assigned UL (uplink) common channel in the RA mode. However, the present

invention uses a CPCCH in order to substitute a power control signal transmitted from a conventional active state (dedicated DL/UL channel assignment) to a paired DL (downlink). A mobile station receives a CPCCH and accordingly performs power control to the dedicated UL (an ESN (electronic serial number) masked UL).

In Chen, power control of active member subscriber stations is achieved via reverse link power commands transmitted from the base station on the forward link shared channels, as described in paragraph 54. Chen nowhere suggests a power control of a dedicated UL using a CPCCH in accordance with the present invention. Leung and Alao each fail to supplement the deficiencies of Chen because neither Leung nor Alao suggest a power control of a dedicated UL using a CPCCH in accordance with the present invention.

In addition, Chen, Leung, Alao, or any combination thereof, cannot provide interactive broadcast/multicast service, as recited in the claims, because they do not use a reverse channel in a broadcast/multicast service for high-speed data transmission in accordance with the present invention.

Accordingly, amended independent Claims 1, 9, 16, 18, 20, 22 and 28 are allowable over Chen, Leung, Alao, or any combination thereof.

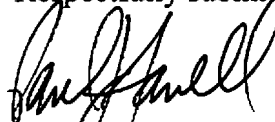
While not conceding the patentability of the dependent claims, *per se*, Claims 2-8, 10-15, 17, 21, 23, 26 and 27 are also allowable for at least the above reasons.

PATENT

Attorney Docket: 678-1261 (P10962)

Accordingly, all of the claims pending in the Application, namely, Claims 1-18, 20-24, and 28 are believed to be in condition for allowance. Early and favorable action is respectfully requested. Should the Examiner believe that a telephone conference or personal interview would facilitate resolution of any remaining matters, the Examiner may contact Applicants' attorney at the number given below.

Respectfully submitted,



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